

FEE TRANSMITTAL

Electronic Version v08

Stylesheet Version v08.0

Title of Invention	VERTICAL SEMICONDUCTOR DEVICES				
Application Number :					
Date :					
First Named Applicant:	Hiroyuki Akatsu				
Attorney Docket Number:	FIS920030390				
TOTAL FEE AUTHORIZED \$ 850					
Patent fees are subject to annual revisions on or about October 1st of each year.					
Filing as large entity					
BASIC FILING FEE					
Fee Description	Fee Code	Amount \$		Fee Paid \$	
Utility Filing Fee	1001	770		770	
Subtotal For Basic Filing Fees: \$ 770					
EXTRA CLAIM FEES					
Fee Description	Extra Claim	Fee Code	Amount \$	Fee Paid \$	
Total Claims : 20	0	1202	18	0	
Independent Claims : 3	0	1201	86	0	
Subtotal For Extra Claims Fees: \$ 0					
ASSIGNMENT FEES					
Fee Description	Property Number	Quantity	Fee Code	Amount \$	Fee Paid \$
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	40	40
Recording Each Patent Assignment Per Property Fee	00000000	1	8021	40	40
Subtotal For Additional Fees: \$80					
AUTHORIZED BILLING INFORMATION					
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:					
Deposit account number:	090458				
Deposit name:	International Business Machines Corporation				
Deposit authorized name:	Steven Capella				
Signature:	Steven Capella / s /				

Date (YYYYMMDD):

2004-03-17

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.